



Tran-sjugular Liver Access Set

가

Rosch-Uchida

가

(Terumo, Tokyo, Japan)

headhunter catheter (Mall-inckrodt, St Louis, U.S.A.) 0.035-inch

40%

(1).

1cm

Rosch-Uchida Trans-jugular Liver Access Set(COOK, Bloomington, IN)

가

(2).

가

가

(brachial vein)

(Micropuncture needle, COOK, Bloomington, IN)

Rosch-Uchida Transjugular Liver Access Set

Trocar stylet

5F

가 Rosch-Uchida Transjugular Liver Access Set

(Fig. 2).

5F

Trocar stylet

0.035-inch

0.018-inch

(Terumo, Tokyo, Japan)

snare technique

68

20

10

14

1

6mm 10 mm

(Ultrathin Diamond; Medi-Tech/Boston Scientific)

10mm, 2 cm

Wallstent (Schneider, Minneapolis, MN)

(Fig. 1).

(Fig. 3).

가

5F Cobra

catheter(Mallinckrodt, St Louis, U.S.A.) 0.035-inch



(1). 40-50% 가

Beathard (3) 6

29% 54%

Beygui (4)

. Vorwerk , 1

25-40% (2, 5). Haage (6)

가 11-24% (7).

가 . Murphy (7) 가
Rosch-Uchida Transjugular Liver Access

Set .
(scalenus anti-

cus muscle)

(brachial plexus)

trocar stylet 가

Wire-loop tech-

nique

가 가
Murphy (7)
(Covered

stent) Farrel (8) 5 Wallstent

Wallstent 가
(uncovered stent)

Rosch-Uchida Transjugular Liver Access Set

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Percutaneous Recanalization for Refractory Dialysis-related Subclavian Vein Obstruction : A Case with Needle Puncture¹

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Chronic central venous occlusion presents a difficult management problem, particularly when the occlusion cannot be traversed with a guide wire, a step which is essential for endovascular treatment such as balloon angioplasty and stent placement. We describe a less invasive technique in which the venous occlusion is traversed with a Rosch-Uchida Transjugular Liver Access Set. This procedure may be useful in cases where the involved extremity must be preserved for hemodialysis and where subclavian vein occlusion is refractory to traditional revascularization methods.

Index words : Dialysis

Veins, stenosis or obstruction

Veins, subclavian

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